

AMENDMENTS TO THE CLAIMS

The following Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1 - 55 (Canceled)

56. (Previously Presented) A method of forming a flat panel display device, the flat panel display device having a first frame, a second frame, a flat display panel and a backlight unit having a light source, the method comprising:

coupling the first frame with the second frame, the flat display panel and the backlight unit being disposed between the first frame and the second frame, the backlight unit being adjacent the first frame and the flat display panel being adjacent to the backlight unit, wherein the first frame is capable of being fixed to a case with a fastening part at a rear surface of the first frame.

57. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the fastening part includes a screw hole.

58. (Previously Presented) The method of forming a flat panel display device according to claim 56, further comprising multiple fastening parts.

59. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the case has a front part and a rear part.

60. (Previously Presented) The method of forming a flat panel display device according to claim 59, wherein the front part of the case has an opening corresponding to a viewing area of the flat display panel.

61. (Previously Presented) The method of forming a flat panel display device according to claim 56, further comprising a hinge extension coupled to the first frame.

62. (Previously Presented) The method of forming a flat panel display device according to claim 61, wherein the hinge extension is between the case and the first frame.

63. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the fastening part includes a fastening hole.

64. (Canceled)

65. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the fastening part includes at least two fastening holes at two corners of the first frame.

66. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the fastening part includes four fastening holes at four corners of the first frame.

67. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the backlight unit comprises:

a reflector unit adjacent the first frame;

the light source unit adjacent the reflector unit; and

a light guide unit adjacent the light source unit.

68. (Previously Presented) The method of forming a flat panel display device according to claim 67, further comprising a diffuser unit and a prism unit.

69. (Previously Presented) The method of forming a flat panel display device according to claim 56, wherein the fastening part is not visible from a viewing direction of the flat display panel.

70. (Previously Presented) A method of forming a flat panel display apparatus, the flat panel display apparatus having a case, a first frame, a backlight unit having a light source, a flat display panel and a second frame, the method comprising:

coupling the first frame with the second frame, the flat display panel and the backlight unit being disposed between the first frame and the second frame, the backlight unit being adjacent the first frame and the flat display panel being adjacent the backlight unit, wherein the first frame includes a fastening part at a rear surface thereof; and

fixing the first frame to the case, where the first frame fixes to the case with the fastening part at the rear surface of the first frame.

71. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, wherein the fastening part includes a screw hole.

72. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, wherein the case has a front part and a rear part.

73. (Previously Presented) The method of forming a flat panel display apparatus according to claim 72, wherein the front part of the case has an opening corresponding to a viewing area of the flat display panel.

74. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, further comprising a hinge extension coupled to the first frame.

75. (Previously Presented) The method of forming a flat panel display apparatus according to claim 74, wherein the hinge extension is between the case and the first frame.

76. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, wherein the fastening part includes a fastening hole.

77. (Canceled)

78. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, wherein the fastening part includes at least two fastening holes at two corners of the first frame.

79. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, wherein the fastening part includes four fastening holes at four corners of the first frame.

80. (Previously Presented) The method of forming a flat panel display apparatus according to claim 70, wherein the backlight unit comprises:

- a reflector unit adjacent the first frame;
- the light source unit adjacent the reflector unit; and
- a light guide unit adjacent the light source unit.

81. (Previously Presented) The method of forming a flat panel display device according to claim 80, further comprising a diffuser unit and a prism unit.

82. (Previously Presented) The method of forming a flat panel display device according to claim 70, wherein the fastening part is not visible from a viewing direction of the flat display panel.

83. (Previously Presented) A method for forming a flat panel display apparatus for a computer, the flat panel display apparatus having a case, a flat display panel, a first frame, a backlight unit and a second frame, the method comprising:

coupling the first frame with the second frame, the flat display panel being between the first frame and the second frame and the backlight unit being between the first frame and the flat display panel; and

coupling the first frame with the case, the first frame having a fastening part at a rear surface opposite to a display surface area of the flat display panel, the fastening part being located within the display surface area, wherein the first frame couples with the case with the insertion of a screw into the first frame fastening part through a rear side of the case.

84. (Previously Presented) The method for forming a flat panel display apparatus according to claim 83, wherein the case has a front part and a rear part.

85. (Previously Presented) The method for forming a flat panel display apparatus according to claim 84, wherein the front part of the case has an opening corresponding to a viewing area of the flat display panel.

86. (Previously Presented) The method for forming a flat panel display apparatus according to claim 83, further comprising a hinge extension coupled to the first frame.

87. (Previously Presented) The method for forming a flat panel display apparatus according to claim 86, wherein the hinge extension is between the case and the first frame.

88. (Previously Presented) The method for forming a flat panel display apparatus according to claim 83, wherein the fastening part includes a fastening hole.

89. (Canceled)

90. (Previously Presented) The method for forming a flat panel display apparatus according to claim 83, wherein the fastening part includes at least two fastening holes at two corners of the first frame.

91. (Previously Presented) The method for forming a flat panel display apparatus according to claim 83, wherein the fastening part includes four fastening holes at four corners of the first frame.

92. (Previously Presented) The method for forming a flat panel display apparatus according to claim 83, wherein the backlight unit comprises:

- a reflector unit adjacent the first frame;
- a light source unit adjacent the reflector unit; and
- a light guide unit adjacent the light source unit.

93. (Previously Presented) The method for forming a flat panel display device according to claim 92, further comprising a diffuser unit and a prism unit.

94. (Previously Presented) The method for forming a flat panel display device according to claim 83, wherein the fastening part is not visible from a viewing direction of the flat display panel.

95. (Previously Presented) A method of forming a flat panel display apparatus, the method comprising:

providing a case having a front part and a rear part;

providing a flat panel display device unit having a flat display panel, a backlight unit, a first frame and a second frame;

providing a hinge extension adjacent to the case, wherein the hinge extension includes a first plurality of screw holes; and

coupling the flat panel display device unit and the case with the hinge extension using a plurality of screws entering from an outer side of the rear part of the case into the first plurality of screw holes.

96. (Previously Presented) The method of forming a flat panel display apparatus according to claim 95, wherein a second plurality of screw holes are formed at a rear surface of the first frame and the plurality of screws penetrates through the second plurality of the screw holes.

97. (Previously Presented) The method of forming a flat panel display apparatus according to claim 95, wherein the hinge arm is located between the first frame and the case.

98. (Previously Presented) The method of forming a flat panel display apparatus according to claim 95, wherein the front part of the case has an opening corresponding to a viewing area of the flat display panel.

99. (Previously Presented) The method of forming a flat panel display apparatus according to claim 95, wherein the backlight unit comprises:

a reflector unit adjacent the first frame;
a light source unit adjacent the reflector unit; and
a light guide unit adjacent the light source unit.

100. (Previously Presented) The method of forming a flat panel display device according to claim 99, further comprising a diffuser unit and a prism unit.

101. (Previously Presented) The method of forming a flat panel display device according to claim 100, wherein the fastening part is not visible from a viewing direction of the flat display panel.

102. (Previously Presented) A method of forming an information terminal apparatus, the method comprising:

providing a flat panel display device, the flat panel display device having a light unit including a light source, a first frame supporting the light unit, a second frame corresponding to the first frame, a flat display panel between the first frame and the second frame and a support member, the support member having a first fastening element having a first screw hole;

providing a case having a second fastening element including a second screw hole, the support member being arranged adjacent to the case; and

coupling the support member with the case, the support member and the case being coupled with the first fastening element and the second fastening element using a screw through the screw holes of the first and second fastening elements.

103. (Previously Presented) The method of forming an information terminal apparatus according to claim 102, wherein a second plurality of screw holes are formed at a rear surface of the first frame and the plurality of screws penetrates through the second plurality of the screw holes.

104. (Previously Presented) The method of forming an information terminal apparatus according to claim 102, wherein the hinge arm is located between the first frame and the case.

105. (Previously Presented) The method of forming an information terminal apparatus according to claim 102, wherein the front part of the case has an opening corresponding to a viewing area of the flat display panel.

106. (Previously Presented) The method of forming an information terminal apparatus according to claim 102, wherein the backlight unit comprises:

- a reflector unit adjacent the first frame;
- the light source unit adjacent the reflector unit; and
- a light guide unit adjacent the light source unit.

107. (Previously Presented) The method of forming an flat panel display device according to claim 106, further comprising a diffuser unit and a prism unit.

108. (Previously Presented) The method of forming an information terminal apparatus according to claim 107, wherein the fastening part is not visible from a viewing direction of the flat display panel.

109. (Previously Presented) A method for forming an information terminal apparatus comprising:

forming a flat panel display device having a light unit including a reflection unit, a light source and a light guide unit, a first frame supporting the light unit, a second frame corresponding to the first frame, and a flat display panel, forming a flat panel display device further comprising:

positioning the flat display panel between the first frame and the second frame;

and

forming a first fastening element on a rear surface of the flat panel display device;

providing a housing having a second fastening element; and

coupling the flat panel display device with the housing through the first fastening element and the second fastening element.

110. (Previously Presented) The method for forming an apparatus according to claim 109, wherein the flat display panel has a display region and the first fastening element is formed on the rear surface of the flat panel display device within the display region.

111. (Previously Presented) The method for forming an apparatus according to claim 109, wherein the first and second fastening elements use a screw.

112. (Previously Presented) The method for forming an apparatus according to claim 111, wherein the screw is combined with the first fastening element through the second fastening element from a rear surface of the housing.

113. (Previously Presented) The method for forming an apparatus according to claim 109, further comprising a third frame having a third fastening element.

114. (Previously Presented) The method for forming an apparatus according to claim 113, wherein the flat panel display device, the housing and the third frame are combined through the first, second and third fastening elements.

115. (Previously Presented) The method for forming an apparatus according to claim 109, wherein the flat panel display device is a liquid crystal display device.

116. (Previously Presented) A method of forming an information terminal apparatus, the method comprising:

forming a flat panel display device having a light unit including a reflection unit, a light source and a light guide unit, a first frame supporting the light unit, a second frame corresponding to the first frame, a flat display panel and a third frame on a rear surface of the first frame, the third frame having a first fastening element, the operation of forming a flat panel display device comprising:

placing the flat display panel between the first frame and the second frame;

providing a housing having a second fastening element; and

coupling the flat panel display device with the housing, wherein the flat panel display device and the housing are combined through the first fastening element and the second fastening element.

117. (Previously Presented) The method of forming an apparatus according to claim 116, wherein the flat display panel has a display region and the first fastening element is disposed within the display region.

118. (Previously Presented) The method of forming an apparatus according to claim 116, wherein the first and second fastening elements use a screw.

119. (Previously Presented) The method of forming an apparatus according to claim 118, wherein the screw is combined with the first fastening element through the second fastening element from a rear surface of the housing.

120. (Previously Presented) A method of assembling a flat panel display device, wherein the flat panel display device has a first frame, a second frame and a flat display panel, said method comprising:

fixing the first frame to a display case using a fastening part at a rear surface of the first frame, wherein the flat display panel is positioned between the first frame and the second frame when the flat panel display device is assembled.

121. (Previously Presented) The method of claim 120, wherein the fastening part includes a fastening hole.

122. (Previously Presented) The method of claim 121 further comprising:

fixing the second frame to the display case using a plurality of fastening holes at a rear surface of the first frame.

123. (Previously Presented) The method of claim 122, wherein each of the plurality of fastening holes are located at a corresponding corner of the rear surface of the first frame.

124. (Previously Presented) The method of claim 120, wherein the fastening part includes a screw hole.

125. (Previously Presented) The method of claim 124, wherein the fastening part includes a screw.

126. (Previously Presented) The method of claim 125 further comprising:
inserting the screw through a rear portion of the display case and into the screw hole at the rear surface of the first frame.

127. (Previously Presented) The method of claim 125 further comprising:
inserting each of a plurality of screws through the rear portion of the display case and into a corresponding one of a plurality of screw holes at the rear surface of the first frame.

128. (Previously Presented) The method of claim 120 further comprising:
positioning at least a portion of a hinge extension between the first frame and the display case.

129. (Previously Presented) The method of claim 128 further comprising:
coupling the hinge extension to the first frame.

130. (Previously Presented) The method of claim 129, wherein the fastening part includes a screw and a screw hole in the rear surface of the first frame, and wherein the method of claim 127B further comprises:

inserting the screw through a hole in the hinge extension and into the screw hole in the rear surface of the first frame.

131. (Previously Presented) The method of claim 120, wherein the flat panel display device further comprises:

a backlight unit.

132. (Previously Presented) The method of claim 131, wherein the backlight unit comprises:

a light source;

a light guide; and

at least one reflector.

133. (Previously Presented) A method of mounting a flat panel display device, wherein the flat panel display device includes a first frame, a second frame and a flat display panel, said method comprising:

fixing the first frame of the flat panel display device to a display case using a fastening part at a rear surface of the first frame, wherein the flat display panel is positioned between the first frame and the second frame, and the first frame is positioned to the rear relative to the second frame and the flat display panel when the flat panel display device is mounted.

134. (Previously Presented) The method of claim 133, wherein the fastening part includes a fastening hole.

135. (Previously Presented) The method of claim 134 further comprising:
fixing the first frame to the display case using a plurality of fastening holes at a rear surface of the first frame.

136. (Previously Presented) The method of claim 135, wherein each of the plurality of fastening holes are located at a corresponding corner of the rear surface of the first frame.

137. (Previously Presented) The method of claim 133, wherein the fastening part includes a screw hole.

138. (Previously Presented) The method of claim 137, wherein the fastening part includes a screw.

139. (Previously Presented) The method of claim 138 further comprising:
inserting the screw through a rear portion of the computer display case and into the screw hole at the rear surface of the first frame.

140. (Previously Presented) The method of claim 138 further comprising:
inserting each of a plurality of screws through the rear portion of the computer display case and into a corresponding one of a plurality of screw holes at the rear surface of the first frame.

141. (Previously Presented) The method of claim 133 further comprising:

positioning at least a portion of a hinge extension between the rear surface of the first frame and the display case.

142. (Previously Presented) The method of claim 141 further comprising:

coupling the hinge extension to the first frame.

143. (Previously Presented) The method of claim 142, wherein the fastening part includes a screw and a screw hole in the rear surface of the first frame, and wherein the method of claim 135B further comprises:

inserting the screw through a hole in the hinge extension and into the screw hole in the rear surface of the first frame.

144. (Previously Presented) The method of claim 133, wherein the flat panel display device further comprises:

a backlight unit.

145. (Previously Presented) The method of claim 144, wherein the backlight unit comprises:

a light source;

a light guide; and

at least one reflector.

146. (Previously Presented) A method of mounting a flat panel display device for use with a computer, wherein the flat panel display device includes a first frame, a second frame and a flat display panel, said method comprising:

inserting a screw through an opening in a rear surface of the display case; and

inserting the screw into a fastening hole at a rear surface of the first frame, wherein the display case is to the rear of the first frame, the flat display panel is positioned between the first frame and the second frame, and the first frame is positioned towards the rear of the flat panel display device when the flat panel display device is mounted.

147. (Previously Presented) The method of claim 146, wherein the fastening hole is a screw hole.

148. (Previously Presented) The method of claim 147, further comprising:

inserting each of a plurality of screws through corresponding openings in the rear surface of the display case; and

inserting each of the plurality of screws into a corresponding one of a plurality of fastening holes at the rear surface of the first frame.

149. (Previously Presented) The method of claim 148, wherein each of the plurality of fastening holes at the rear surface of the first frame are positioned in a corresponding corner of the rear surface of the first frame.

150. (Previously Presented) The method of claim 146 further comprising:

positioning at least a portion of a hinge extension between the rear surface of the first frame and the display case.

151. (Previously Presented) The method of claim 150 further comprising:
coupling the hinge extension to the first frame.

152. (Previously Presented) The method of claim 151, wherein the fastening part includes a screw and a screw hole in the rear surface of the first frame, and wherein the method of claim 141 further comprises:

inserting the screw through a hole in the hinge extension and into the screw hole in the rear surface of the first frame.

153. (Previously Presented) The method of claim 146, wherein the flat panel display device further comprises:

a backlight unit.

154. (Previously Presented) The method of claim 153, wherein the backlight unit comprises:

a light source;

a light guide; and

at least one reflector.